Operations Plan for the West Coast/Alaska Tsunami Warning Center







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Section	Page	Contents
1	3	Operations Plan Objective and Scope
2	5	The West Coast/Alaska TWC
3	9	Procedures
4	13	Messages
5	17	Message Dissemination Routes
6	21	Primary Contact List
7	25	Message Examples

National Oceanic and Atmospheric Administration National Weather Service

Section 1: Operations Plan Objective and Scope

1.1 Plan Objective

The purpose of the Operations Plan for the West Coast/Alaska Tsunami Warning Center (WCATWC) is to provide warning recipients in the area-of-responsibility (AOR = Canadian coastal regions and the ocean coasts of all U.S. states except Hawaii) a document which summarizes the tsunami warning system, tsunami warning and informational messages, and message dissemination throughout the AOR. Subjects in this plan include:

- Tsunami Warning Center Operations
- Procedures
- Messages
- Dissemination routes
- Primary contacts

1.2 Plan Scope

The scope of this plan is limited to provide an overview of the tsunami warning system within the WCATWC AOR, and its procedures, products, dissemination paths, and primary message recipients. For further information on Administrative details of NOAA's tsunami warning system, please refer to the appropriate National Weather Service directives and instructions:

- Tsunami Warning Services http://www.nws.noaa.gov/directives/sym/pd01007curr.pdf
- Tsunami Warning Center Operations http://www.nws.noaa.gov/directives/sym/pd01007001curr.pdf

For further information on the Tsunami Warning System in the Pacific, please refer to the Communications Plan for the Tsunami Warning System in the Pacific maintained by the Pacific Tsunami Warning Center

(http://ioc3.unesco.org/itic/files/TWSP Communications Plan 2005 rev2.pdf).

Section 2: The West Coast/Alaska Tsunami Warning Center

2.1 NOAA Tsunami Warning Center Mission

NOAA's Tsunami Warning System mission is to protect life and property from the tsunami hazard by providing timely, accurate, reliable, and effective tsunami products to coastal populations and emergency management within the area-of-responsibility, as well as by advancing other aspects of tsunami hazard mitigation such as community preparedness and public education. The primary operational warning system objectives for carrying out this mission are to rapidly locate, size, and otherwise characterize major earthquakes, determine their tsunamigenic potential, predict tsunami arrival times, predict coastal runup when possible, and disseminate appropriate warning and informational products based on this information.

NOAA operates two tsunami warning centers in the United States: the West Coast/Alaska Tsunami Warning Center and the Pacific Tsunami Warning Center. The West Coast/Alaska Tsunami Warning Center area-of-responsibility (AOR) consists of Canadian coastal regions and the ocean coasts of all U.S. States except Hawaii. The Pacific Tsunami Warning Center AOR consists of Hawaii, other U.S. interests in the Pacific Basin, countries participating in the Tsunami Warning System in the Pacific, and on an interim basin Indian Ocean and Caribbean Sea countries.

2.2 Overview of West Coast/Alaska Tsunami Warning Center Operations

Background

The West Coast/Alaska Tsunami Warning Center (WC/ATWC) is operated by the Alaska Region of the National Weather Service and is located in Palmer Alaska. The center collaborates with the Pacific Tsunami Warning Center to provide tsunami warning service, and mutual backup, to tsunami threatened areas throughout the United States and many other countries throughout the world.



To accomplish its mission of providing accurate and timely tsunami bulletins to its AOR, the center detects, locates, sizes, and analyzes earthquakes throughout the world. Earthquakes that activate the center's alarm system initiate an earthquake and tsunami investigation which includes the following four basic steps: automatic locating and sizing the earthquake; earthquake analysis and review; sea level data analysis to verify the existence of a tsunami and to calibrate models; and disseminating information to the appropriate emergency management officials.

In addition to its basic functions, the center conducts a community preparedness program intended to increase public awareness of the tsunami hazard and improve tsunami planning at the community level. The center also actively pursues developmental projects which enhance tsunami warning operations.



The WC/ATWC staff level has recently been increased such that the center operates 24 hours every day with two watchstanders on duty. The center began 24x7 operations on April 23, 2006. Prior to that, the center operated after normal work hours on a 5 minute stand-by response basis.

Observational Networks

Tsunami bulletins are initially issued based solely on seismic data. Approximately 225 channels of seismic data are recorded at the center. Seismic networks which provide the data are operated and funded by many

different agencies, including the United States Geological Survey (USGS), the Global Seismic Network, the National Tsunami Hazard Mitigation Program, various universities throughout the country, other national networks, and by the tsunami warning centers. Access to this data is provided through dedicated circuits, private satellite networks, and the internet.

Once a significant event has occurred, the nearest tide gages and deep ocean tsunami detectors (DART) are monitored to confirm the existence or nonexistence of a tsunami, and its degree of severity. The center has access to more than 200 tide sites and 15 DARTs throughout the Pacific and Atlantic Basins. More than half of these sites are maintained by NOAA's National Ocean Survey (NOS). In addition to the NOS sites, other agencies such as the Pacific Tsunami Warning Center, the Canadian Hydrographic Survey, and the Japanese Meteorological Agency provide sea level information to the center. The WC/ATWC also operates several gages in Alaska.

Procedures

Initial tsunami bulletins are issued as soon as the earthquake's tsunami potential has been analyzed. The first warnings are based on earthquake magnitude and location. After the initial bulletin has been issued, the center monitors recorded tsunami effects and, in coordination with PTWC, issues a cancellation, extension, or final bulletin as appropriate. Tsunami warning thresholds are given in Section 3.

Tsunami history and pre-event modeling along with observed tsunami amplitudes are taken into account for determining the extent of danger for the AOR. WC/ATWC may refrain from issuing a warning or issue the warning for only selected areas if tsunami history (and modeling if available) indicates there is no danger, or danger only to selected areas. Historical events have

shown that tsunami damage is possible if waves reach 50cm or more in amplitude. Therefore, if a tsunami is expected to reach 50cm or more, or if the tsunami potential can not be accurately judged, warnings are continued. Tsunamis can not be predicted exactly, so the 50cm cut-off is considered general guidance.

Products

Primary recipients of tsunami messages (discussed further in Section 4 with examples in Section 7) are coastal state/province departments of emergency services, the Federal Emergency Management Agency, National Weather Service offices, Canada's Atlantic Storm Prediction Center, the U.S. Coast Guard, and military bases. While these agencies are considered primary, the bulletins are available through a variety of means, discussed further in Section 5, to local emergency managers and the general public. WC/ATWC primary contacts are listed in Section 6.

Since 1980, 12 tsunami warnings have been issued by the center for events occurring within the AOR. Response time to issue warnings has ranged from 5 to 14 minutes with an average response of 9.8 minutes. These warnings all occurred prior to the center going to a 24x7 operation, and of the 12 warnings only two occurred during regular work hours. The other 10 occurred while duty personnel were not on site. Each year the WC/ATWC staff responds to more than 250 alarmed events.



Community Preparedness

The ability of any warning system to successfully save lives and reduce property damage depends upon getting the information to the public and getting them to respond to the emergency. To help attain this goal, the National Weather Service has implemented a program known as TsunamiReady which sets forth guidelines for communities to improve tsunami preparedness. This program was started in 2000 and was based on the National Weather Service StormReady program. The TsunamiReady program's purpose is to recognize communities which have taken the steps necessary to be as prepared as

possible for a tsunami. This requires the communities to follow a set of guidelines. The guidelines show that the community can receive and disseminate warnings, have a tsunami hazard plan in place, have posted evacuation routes, designated shelters, and have worked to enhance tsunami awareness throughout their community. As of June 2006, 29 communities and counties along the U.S. west coast, east coast, Alaska, and Hawaii are recognized as TsunamiReady. Center personnel actively work with local emergency officials to attain the TsunamiReady recognition.

Section 3: Procedures

Summary

WC/ATWC procedures are organized by the source's geographic region and magnitude. The basic procedures are summarized in the bar chart in Figure 1. The actions shown in Figure 1 indicate the first bulletin (and in many cases the only bulletin) to be issued. Follow up actions are described by using the Flow Charts located in the center's Operation manual. Supplemental warning or watch bulletins for events within the AOR will be issued every 30 minutes. Occasionally a follow-up message may be necessary for a Tsunami Information Statement (e.g., when a small tsunami was recorded, where the statement must be upgraded to a warning, or in the case of a large Atlantic Basin quake). This would be considered Tsunami Information Statement #2 or, if upgraded to a warning, Tsunami Warning #2.

Breakpoints

Watch and warning extent are set based on distance from epicenter or tsunami travel time, and are listed in the bulletins as extending from X to Y. Breakpoints for the Atlantic and Gulf of Mexico coasts are listed below.

Brownsville, TX Flagler Beach, FL US/Canada border Baffin Bay, TX Altamaha Sound, FL Charlesville, NS Port O'Connor, TX South Santee River, SC Chezzetcook Inlet, NS High Island, TX Surf City, NC Meat Cove, NS Morgan City, LA Duck, NC Cape Ray, NF MS/AL Border Chesapeake Bay, Smith Pt., VA La Manche, NF Destin. FL Cape Henlopen, DE Boat Harbour, NF Suwannee River, FL Sandy Hook, NJ Cape Chidley, NL Bonita Beach, FL Watch Hill, RI

Flamingo, FL Merrimack River, MA
Ocean Reef, FL Stonington, ME

These breakpoints coincide with Weather Forecast Office (WFO) boundaries in the US. Estimated tsunami arrival times are provided in warning messages for twenty cities in the US and six cities in Canada.

Breakpoints used for the Pacific coast are listed below.

Attu, AK Yakutat, AK Cape Blanco, OR Adak, AK Sitka, AK Oregon-California Border Nikolski, AK Langara Island, BC Cape Mendocino, CA Dutch Harbor, AK Northern Tip Vancouver Island, BC Point Arena, CA Sand Point, AK Cape Flattery, WA Point Sur, CA Point Grenville, WA Point Conception, CA Kodiak, AK California-Mexico Border Seward, AK Clatsop Spit, OR

Cordova, AK Cascade Head, OR

Most of these breakpoints do not coincide with WFO boundaries in the U.S. Estimated tsunami arrival times are provided in warning messages for twenty-four cities along the U.S. and Canadian coast.

In some cases, breakpoints chosen by automated procedures based on distance from epicenter or tsunami travel time will not match the real zones of danger. In these cases, watchstanders may specify the warned area by using the Specific Area warning option. For example, a large earthquake off the coast of southern California may trigger a locally damaging tsunami. However, it is very unlikely that this tsunami will pose a danger to other areas of the AOR. When using this option, the watch/warning area will be contiguous and specified using the breakpoints listed above. When a Specific Area messages is used to reduce the warned area, a warned area will not be converted to a watch area; it will be cancelled.

	WCATWC-	-Pacific			WC/ATWC						PTWC Ba	ckup					_
ea	AK. BC	Bering	Not in		East Coast	East Coast	Gulf Mex	Not AOR	Not AOR		Hawaii	Pacific	WCATWC	All	Indian	Ocean	S
	WA, OR,	620	AOR		US &	Inland	Gulf St. L	Caribbean	Atlantic		Hawaii	Hawaii	Hawaii	Pacific	10	10	M
_	CA	2 2			Canada	<400 Mile			0 0								+
ag																	1
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5	2/22/20	202000		5	SEXX60		SEXX60				SEHW70	l					ı
٦	TIS***	TIS***		2								l			l		ı
6	SEAK71	SEAK71		6								l			l		ı
1	or SEUS71											l			l		ı
1					TIS	TIS	TIS	TIS							l		1
4					WEXX22	WEXX22	WEXX22	WEXX22				l			l		ı
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٦	TIS	TIS			WEXX32	WEXX32	WEXX32	WEXX32		6.6							1
1	WEPA43	WEPA43	TIS	6.7		VVEXX32	WEARSE	WEAASZ	TIS	6.7		TIS	TIS	TIS	TIS	TIS	1
1	and	and	WEPA43	6.8		4			WEXX22	0		WEHW42	WEHW42	WEPA42	WEIO23	WEIO23	1
1	WEAK53	WEAK53	and	0.0					and			112.11112			Helozo	112.020	1
7			WEAK53		Warning *				WEXX32	7	Warning						1
1	Warning *				350Km					7.1	County		7		Local		1
	350Km				WEXX20						WEHW40				Watch		1
-	WEPA41				and										WEIO21		1
	and	Warning *			WEXX30		Warning *						Advisory		District Control		1
5	WEAK51	350Km		7.5			Gulf only	32000		7.5		CONTRACTOR OF THE PARTY OF THE	WEHW40				1
6		WEPA41	THE STATE OF	7.6			WEXX20	TIB/	TIB/	7.6		Adv/Wm**		Warning**	Regional		1
1		and	Advisory/				and	Warning	Warning			1000Km		1000Km	Watch		1
1		WEAK51	Watch/				WEXX30	Spec. area	Spec area	7.8		WEHW40		WEPA40	WEIO21		1
			Warning					WEXX22 /	WEXX22/	7.9		120212000000			200000		1
			WEPA41					WEXX20	WEXX20			Advisory/			All IO		1
1			and					and	and			Warning	Warning		Nations		1
٦			WEAK51	40				WEXX32/	WEXX32/	40		3W/3W			Watch		1
0		5	A CONTRACTOR	10	k.			WEXX22	WEXX22	10		WEHW40			WEIO21		1

^{***} Based on magnitude and distance from the coast.

No TIS for Alaska if less than magnitude 5 and West of 155W

* No Watch

TIS = Tsunami Information Statement

Figure 1-Procedures Chart

^{**} countries within 1000 km of epicenter if North of 35 degrees, Hawaii in Watch PTWC issues two messages for most Pacific events (Hawaii and internatio

Section 4: Messages

4.1 Message Definitions

There are four basic types of messages issued by the WC/ATWC. These are defined below:

<u>Tsunami Warning:</u> **The highest level of tsunami alert.** Warnings are issued by the TWCs due to the imminent threat of a tsunami from a large undersea earthquake, or following confirmation that a potentially destructive tsunami is underway. They may initially be based only on seismic information as a means of providing the earliest possible alert. Warnings advise that appropriate actions be taken in response to the tsunami threat. Such actions could include the evacuation of low-lying coastal areas and the movement of boats and ships out of harbors to deep waters. Warnings are updated at least hourly or as conditions warrant to continue, expand, restrict, or end the Warning.

<u>Tsunami Watch</u>: The second highest level of tsunami alert. Watches are issued by the TWCs based on seismic information without confirmation that a destructive tsunami is underway. It is issued as a means of providing advance alert to areas that could be impacted by a destructive tsunami. Watches are updated at least hourly to continue them, expand their coverage, upgrade them to a Warning, or end the alert. A watch for a particular area may be included in the text of the message that disseminates a Warning for another area.

<u>Tsunami Advisory:</u> The third highest level of tsunami alert. Advisories are issued by the TWCs to coastal populations within areas not currently in either warning or watch status when a tsunami warning has been issued for another region of the same ocean. An Advisory indicates that an area is either outside the current warning and watch regions, or that the tsunami poses no danger to that area. The Center issuing the Advisory will continue to monitor the event, issuing updates at least hourly. As conditions warrant, the Advisory will either be continued, upgraded to a watch or warning, or ended.

Information Statement: A text product issued to inform that an earthquake has occurred and to advise regarding its potential to generate a tsunami. In most cases, an Information Statement indicates there is no threat of a destructive tsunami affecting the issuing TWC's AOR, and are used to prevent unnecessary evacuations as the earthquake may have been felt in coastal areas. An Information Statement may, in appropriate situations, caution about the possibility of a destructive local tsunami. A supplemental Information Statement may be issued if important additional information is received such as a sea level reading showing a tsunami signal. An Information Statement may also be upgraded to a watch or warning if appropriate. Further, the Information Statement may be used to recommend a warning when protocols agreed to by emergency management authorities within an AOR so specify.

In December 2005, the center began issuing "public" products in addition to the standard NWS format tsunami products. These were designed to include wording easier for the layman to understand. Tabulated tsunami travel times and hypocenter information were removed and replaced with information written in a more readable format. Tsunami warnings, watches, advisories, and information statements now have corresponding public products. The public products do not include NWS universal generic codes (UGC) while the standard watch/warning messages contain segmented UGCs.

The WC/ATWC also issues monthly communication tests over its primary dissemination paths. The Tsunami Warning Message product code (see section 4.2) is used on the test messages. Each month a Pacific AOR and an Atlantic AOR test are conducted. As tsunamis are uncommon events, testing is critical to ensure robust message dissemination.

4.2 Message Identifiers

The WC/ATWC tsunami bulletins are National Weather Service products. All NWS products are described by both a World Meteorological Organization (WMO) Header and a National Weather Service AWIPS ID. The following table describes the products. Examples are provided in section 7. For watch, warning, advisory, and information statements (with the WExxxx distribution), there are two products. The standard products (WEPA41, WEPA43, WEXX20, and WEXX22) are segmented within the bulletin with the watch, warning, and information only sections separated by Universal Generic Codes (for watch and warning messages). The new public products (WEAK51, WEAK53, WEXX30, and WEXX32) are in a format intended for the general public and contain action statements and information highlighting the dangers of tsunamis.

WMO Header	NWS AWIPS ID	Explanation
WEPA41 PAAQ	TSUWCA	Tsunami Warnings, Watches,
		and Advisories
		AK, BC, and US West Coast
WEPA43 PAAQ	TIBWCA	Information Statements
		AK, BC, and US West Coast
WEAK51 PAAQ	TSUAK1	"Public" Tsunami Warnings,
		Watches, and Advisories
		AK, BC, and US West Coast
WEAK53 PAAQ	TIBAK1	"Public" Information
·		Statements
		AK, BC, and US West Coast
SEAK71 PAAQ	EQIAKX	Information Statements
		Alaska (M<6.5)
SEUS71 PAAQ	EQIWOC	Information Statements
		BC and US West Coast
		(M<6.5)
WEXX20 PAAQ	TSUAT1	Tsunami Warnings, Watches,
		and Advisories
		US East, Gulf, and Canadian

		Maritime Provinces
WEXX22 PAAQ	TIBAT1	Information Statements
		US East, Gulf, and Canadian
		Maritime Provinces
WEXX30 PAAQ	TSUATE	"Public" Tsunami Warnings,
		Watches, and Advisories
		US East, Gulf, and Canadian
		Maritime Provinces
WEXX32 PAAQ	TIBATE	"Public" Information
		Statements
		US East, Gulf, and Canadian
		Maritime Provinces
SEXX60 PAAQ	EQIAT1	Information Statements
		US East, Gulf, and Canadian
		Maritime Provinces (M<6)

Products are generated by the WC/ATWC Message2 software. PTWC products can be generated at WC/ATWC in case backup is necessary. Experimental web-based products are created and issued by the WC/ATWC to its web site. The web-based products are written in an html format with embedded links to related information and are similar in format to the public products.

Section 5: Message Dissemination Routes

5.1 Overview of Product Dissemination Paths

Summary of Message Dissemination Methods at the West Coast/Alaska Tsunami Warning Center

Service	Owner or Operating Agency	Primary user audience
* AFTN	FAA	FAA Regional Operations Centers, Flight Service Stations and Alaska WSO's
* Line 223	NWS	NWS Offices via AWIPS, NWS Telecommunications Gateway to EMWIN, Family of Services, Global telecommunications system,
* NOAA Weather Wire	NWS	National Weather Service forecast subscribers and U.S./Canada emergency management agencies
NAWAS	FEMA	Emergency management agencies nationwide.
AKWAS	Alaska DHS&EM/FEMA	Emergency management offices in State of Alaska
VHF radio	Alaska DHS&EM	Alaska DHS&EM, AK State Troopers, Palmer Police
Satellite Phone Backup	WC/ATWC & PTWC	Tsunami Warning Centers (emergency backup communications)
*QDDS	USGS	Internet based earthquake information dissemination tool.
*INTERNET (web site, email, RSS, and cell phone text messaging)	Public	International and domestic government agencies, academic institutions and the public in general
Telephone	Public	A Primary and Secondary phone list is maintained

An asterisk (*) in the previous table indicates messages are transmitted on these systems simultaneously from the Operations console at the center. Figure 2 shows main communications paths and recipients.

West Coast/Alaska Tsunami Warning Center Message Dissemination Routes

State telecomms. to State Emergency local emergency-Service Offices FAA Offices, management FEMA National Warning oreign contacts System (NAWAS) FAA NADINZ Local Emergency Mgmt, Media, Public West Coast/ Military **US Coast Guard** USCG Radio, etc. AlaskaTsunami Warning Internet - Email Center eather Wire NOAA Local Emergency Mgmt. nternet - Digital Cell Phone NWS Circuit 225 EMWIN-Family of Serviceselecommunications GTS-◀ Gateway Public Web Site **NWS Coastal** State Dept. Operations AWIPS Forecast Offices Center Notify foreign countries as appropriate

Figure 2 - Tsunami Warning Center message communications

NOAA Weather

Radio

AFTN - The **A**eronautical **F**ixed **T**elecommunications **N**etwork is a world-wide communications system for the exchange of messages and/or digital data between stations primarily for the safety of air navigation and other air services. Since most flight service facilities must be cognizant of current aviation weather forecasts, many weather forecast offices are provided with AFTN terminals. Messages over this media must be specifically addressed to recipients. Collective addresses are used to transmit to the Alaska Weather Service Offices, Weather Forecast Offices, Flight Service Stations, and FAA regional Operation Centers nationwide.

Emergency Alert

System

Line 223 – This is the NWS Telecommunication Gateway's numerical designation of a high speed circuit between NWS Telecommunications Gateway in Silver Spring MD and the Alaska Regional Headquarters (ARH) in Anchorage AK. The WC/ATWC transmits and receives messages to and from this line via a serial line to a server at the ARH. Transmitting on this serial line to ARH provides tsunami products to AWIPs and a secondary route into the NOAA Weather Wire system at the Anchorage WFO. This

4/05 PW

routing also provides tsunami messages to the NWS telecommunications gateway, and from there to a multitude of NWS communication services such as EMWIN, Family of Services, and the Global telecommunications system.

NOAA Weather Wire - The NOAA Weather Wire is a satellite broadcast service maintained by the NWS to disseminate weather products domestically. Both the West Coast/Alaska Tsunami Warning Center and PTWC have uplink and downlink capability on the NWW system. Users of the NWW system consist of Weather Service Offices, state and provincial emergency management agencies, and the U.S. Coast Guard. Receiver sites can program their selector box to receive any number of selected NWS products (or messages).

NAWAS - The NAational WArning System is a nationwide dedicated voice telephone system connecting selected defense, National Weather Service, emergency management, and Coast Guard agencies. The circuit is supported by the Federal Emergency Management Agency (FEMA). Control over transmissions on the circuit is maintained by the FEMA Operations Center or the FEMA Alternate Operations Center.

AKWAS - The **A**laska **W**arning **S**ystem is a statewide dedicated voice telephone system connecting Alaska Division of Homeland Security and Emergency Management (DHS&EM), National Guard, Law Enforcement and Weather Service Offices. The circuit is supported by the FEMA and the Alaska DHS&EM. Control over transmissions on the circuit is maintained by the State Warning Point at Fort Richardson, Alaska.

VHF Radio – Broadcasting on 155.295 (Emergency Area Command Frequency) and 155.250 MHZ this system provides emergency voice communications to the Alaska DHS&EM, Alaska State Troopers, and Palmer Police. Warning messages are only transmitted by this means in absence of primary communications.

Satellite Phone – This phone system is for emergency communications between the two tsunami warning centers and other primary message recipients. It is intended for use when other normal communications systems have failed.

QDDS – An earthquake information dissemination tool operated by the United States Geological Survey. The internet is used to transmit earthquake information to USGS servers where it is disseminated to various web sites and agencies.

Internet –Group email lists (emergency managers) are maintained. Shortened cell phone pager messages are also transmitted via internet to emergency managers. A public web site is maintained at http://wcatwc.arh.noaa.gov/ where current event messages and maps are posted. The web site also provides a large amount of educational, safety, and scientific information. A public email and cell phone text messaging service is also available through the WC/ATWC web site, as well as RSS feeds.

Telephone – Primary and Secondary telephone lists are maintained. A short call down list is notified after events.

5.2 Overview of Product Retrieval Methods

WC/ATWC products are issued and can be retrieved by several different methods. Many communities have developed local methods for disseminating the message; such as, sirens, automatic phone calls, local CB radio, AHAB Radio, etc. Contact your local emergency management for dissemination methods within your community.

National Weather Service Systems

- NOAA Weather Wire Service
- NOAA Weather Radio (NWR)
- EMWIN®
- National Weather Service Forecast Offices
- Email/cell phone text messaging
- WCATWC Web Page
- RSS feed

State and Provincial Dissemination Systems

Federal Communications Commission

Emergency Alert System

United States Coast Guard

US Coast Guard Radio

Section 6: Primary Contact List

State	Agency SWP=State Warning Point	Primary Comms Method	Street	City	St	Zip
AK		•				•
	USAF - Elmendorf Command Center	Email - phone	Q Street	Elmendorf AFB	AK	99506- 2830
	SWP - Alaska	NWW - NAWAS	P. O. Box 5750	Ft Richardson	AK	99505
	WFO - Anchorage AK	AWIPS	6930 Sand Lake Road	Anchorage	AK	99502- 1845
	Alaska State Troopers Headquarters - Fairbanks	AKWAS	1979 Peger Road	Fairbanks	AK	99709
	NWS - Alaska Regional HQ	Phone	222 W. 7th Ave., RM 517	Anchorage	AK	99513- 7575
	NWS - Alaska Regional HQ	Phone	222 W. 7th Ave., RM 517	Anchorage	AK	99513- 7575
	WFO - Juneau AK	AWIPS	8500 Mendenhall Loop Rd	Juneau	AK	99801
	NWS - Alaska Regional HQ	Phone	222 W. 7th Ave., RM 517	Anchorage	AK	99513- 7575
	USCG - 17th District Juneau AK - CC	NWW - NAWAS	P.O. Box 25517	Juneau	AK	99801- 5517
AL						
	WFO - Mobile AL	AWIPS	8400 Airport Blvd., Bldg 11	Mobile	AL	36608
	SWP - Alabama	NWW - NAWAS	P. O Box 2160	Clanton	AL	35046- 2160
BC		•				•
	MARPAC - Maritime Forces Pacific Operations Centre	NAWAS	Building 77, Box 17000 Stn Forces	Victoria	ВС	V9A 7N2
	PEP - Emergency Coordination Center	NWW - NAWAS	455 Boleskine Rd.	Victoria	ВС	V8W 9J1
CA		•				•
	WFO - Monterey CA	AWIPS	21 Grace Hopper Ave	Monterey	CA	93943- 5505
	USCG -11th District Alameda CA - CC	NWW - NAWAS	Coast Guard Island	Alameda	CA	94501- 5100
	FEMA - Region IX	NAWAS	1111 Broadway, Suite 1200	Oakland	CA	94607
	SWP - California	NWW - NAWAS	3650 Schriver Ave.	Mather	CA	65655
	USCG - CAMSPAC Pt Reyes CA	NWW	17000 Sir Francis Drake Blvd	Pt Reyes Station	CA	94956- 0560
	WFO - Oxnard CA	AWIPS	520 North Elevar Street	Oxnard	CA	93030
	WFO - Eureka CA	AWIPS	300 Startare Dr.	Eureka	CA	95501
СО		<u>I</u>	I	I	<u>I</u>	
	National Earthquake Information Center - USGS	Phone	1711 Illinois Street	Golden	СО	80401

СТ						
	SWP - Connecticut	NWW - NAWAS	25 Sigourney Street	Hartford	СТ	06106- 5042
DC						
	State Department - Emergency Operations Center	NAWAS- Email	2201 C Street NW	Washington	DC	20520
	SWP - District of Columbia	NWW - NAWAS	2000 14 th Street NW, 8 th Floor	Washington	DC	20009
DE						
	SWP - Delaware	NWW - NAWAS	165 Brick Store Landing Rd.	Smyrna	DE	19977
FL						
	WFO - Melborne FI	AWIPS	421 Croton Rd	Melbourne	FL	32935
	WFO - Key West FL	AWIPS	1315 White Street	Key West	FL	33040
	WFO - Jacksonville FL	AWIPS	13701 Fang Drive	Jacksonville	FL	32218
	WFO - Tallahassee FL	AWIPS	Love Bldg, Florida State University	Tallahassee	FL	32306- 4509
	USCG - 7th District Miami FL - CC	NWW - NAWAS	909 SE 1 st	Miami	FL	33131
	SWP - Florida	NWW - NAWAS	2555 Shumard Oak Blvd	Tallahassee	FL	32399- 2100
	WFO - Miami FL	AWIPS	11691 SW 17 th Street	Miami	FL	33165
GA				l		1
	SWP - Georgia	NWW - NAWAS	P. O. Box 18055	Atlanta	GA	30316
	FEMA Alternate Ops Center - Thomasville GA	NAWAS	404 S. Pine Tree Blvd	Thomasville	GA	31792
HI	D 15 T	T A 11 .	La. 270 F . W . B.	T = 5 .	1	T 00700
	Pacific Tsunami Warning Center	All systems	91-270 Fort Weaver Rd	Ewa Beach	HI	96706- 2928
LA	SWP – Louisiana	NWW –	7667 Indonondance Divid	Poton Pouss	LA	70806
	SVVF - LOUISIANA	NAWAS	7667 Independence Blvd	Baton Rouge	LA	70000
	WFO - New Orleans LA	AWIPS	62300 Airport Road	Slidell	LA	70460- 5243
	WFO - Lake Charles LA	AWIPS	500 Airport Road	Lake Charles	LA	70607
	USCG - 8th District New Orleans LA - CC	NWW - NAWAS	500 Poydras Street	New Orleans	LA	70130- 3310

SWP - Massachusetts	NWW - NAWAS	400 Worcester	Framingham	MA	01702
WFO - Taunton MA	AWIPS	445 Myles Standish	Taunton	MA	02780
	NWW - NAWAS	5401 Rue Saint Lo Drive	Reisterstown	MD	21136
CORMS - National Ocean Survey	Phone	1325 E. West Hwy, RM 6390	Silver Spring	MD	20910
NWS – HQ – Metwatch Desk	Email	1325 East West Highway	Silver Spring	MD	20910
	•				•
WFO - Gray ME	AWIPS	1 Weather Lane, Route 231	Gray	ME	04039
WFO - Caribou ME	AWIPS	810 Main Street	Caribou	ME	04736
SWP - Maine	NWW - NAWAS	72 State House Station	Augusta	ME	04333- 0072
	NWW - NAWAS		Jackson	MS	39296- 4501
DART Buoys - Data Management Analysis Center - NDBC	Email - Phone	Bldg 3201	Bay St Louis	MS	39522
SWP - North Carolina	NWW - NAWAS	4008 District Drive	Raleigh	NC	27607
WFO - Wilmington NC	AWIPS	2015 Gardner Drive	Wilmington	NC	28405
					<u>.</u>
SWP - New Hampshire	NWW - NAWAS	33 Hazen Drive	Concord	NH	03305
WFO - Mount Holly NJ	AWIPS	732 Woodlane Road	Mount Holly	NJ	08060- 9615
SWP - New Jersey	NWW - NAWAS	P. O. Box 7068	Trenton	NJ	08628
Atlantic Storm Prediction Centre - Nova Scotia	GTS - Email	45 Alderney Drive	Dartmouth	NS	B2Y 2N6
WFO - Albany NY	AWIPS	251 Fuller Rd, Suite B300	Albany	NY	12203- 3640
SWP - New York	NWW - NAWAS	1220 Washington Ave, Suite 101, Bldg 22	Albany	NY	12226- 2251
	ı	•	I	1	l
Govt of Canada - Ops Ctr Public Safety & Em Prep Canada	NAWAS	122 Banks St.	Ottawa	ON	K1A0W6
	WFO - Taunton MA SWP - Maryland CORMS - National Ocean Survey NWS - HQ - Metwatch Desk WFO - Gray ME WFO - Caribou ME SWP - Maine SWP - Mississippi DART Buoys - Data Management Analysis Center - NDBC SWP - North Carolina WFO - Wilmington NC SWP - New Hampshire WFO - Mount Holly NJ SWP - New Jersey Atlantic Storm Prediction Centre - Nova Scotia WFO - Albany NY SWP - New York	WFO - Taunton MA WFO - Taunton MA NAWAS WFO - Maryland NWW - NAWAS CORMS - National Ocean Survey Phone NWS - HQ - Metwatch Desk Email WFO - Gray ME WFO - Caribou ME SWP - Maine NWW - NAWAS SWP - Mississippi NWW - NAWAS DART Buoys - Data Management Analysis Center - NDBC SWP - North Carolina NWW - NAWAS WFO - Wilmington NC SWP - New Hampshire NWW - NAWAS WFO - Mount Holly NJ SWP - New Jersey NWW - NAWAS Atlantic Storm Prediction Centre - Nova Scotia WFO - Albany NY SWP - New York NWW - NAWAS NWW - NAWAS	WFO - Taunton MA NAWAS AWIPS	WFO - Taunton MA NAWAS AWIPS	WFO - Taunton MA NAWAS AWIPS 445 Myles Standish Taunton MA SWP - Maryland NAWAS CORMS - National Ocean Survey Phone 1325 E. West Hwy, RM Silver Spring MD NWS - HQ - Metwatch Desk Email 1325 East West Highway Silver Spring MD WFO - Gray ME AWIPS 1 Weather Lane, Route 231 WFO - Caribou ME AWIPS 810 Main Street Caribou ME SWP - Mississisppi NWW - NAWAS DART Buoys - Data Management Analysis Center - NDBC SWP - North Carolina NWW - NAWAS WFO - Wilmington NC WFO - Wilmington NC WFO - Mount Holly NJ AWIPS AWI

OR						
	WFO - Portland OR	AWIPS	5241 NE 122 nd Ave.	Portland	OR	97230- 1089
	SWP - Oregon	NWW - NAWAS	3225 State St.	Salem	OR	97309
PA						
	SWP - Pennsylvania	NWW - NAWAS	2605 Interstate Drive	Harrisburg	PA	17110- 9364
	WFO - Pittsburg PA	AWIPS	192 Shafer Road	Moon Township	PA	15108
RI						
	SWP - Rhode Island	NWW - NAWAS	645 New London Ave	Cranston	RI	02920
SC						
	SWP - South Carolina	NWW - NAWAS	279 fish Hatchery Rd	West Columbia	SC	29172
	WFO - Charleston SC	AWIPS	5777 S. Aviation Ave	Charleston	SC	29406- 6162
TX			1	1	-I	
	WFO - Houston TX	AWIPS	1353 FM 646, Suite 202	Dickinson	TX	77539
	WFO - Corpus Cristi TX	AWIPS	300 Pinson Dr	Corpus Cristi	TX	78406- 1803
	WFO - Brownsville TX	AWIPS	20 Vermillion Rd	Brownsville	TX	78521- 5798
	SWP - Texas	NWW - NAWAS	5805 N. Lamar Blvd	Austin	TX	78752
VA						
	USN - NAVLANTMETOC - Norfolk VA	AWIPS - Phone	9141 3rd Ave.	Norfolk	VA	23511
	WFO - Wakefield VA	AWIPS	10009 General Mahone	Wakefield	VA	23888
	FEMA Operation Center - Berryville VA	NAWAS	19844 Blue Ridge Mountain Rd	Berryville	VA	22611
	USCG - CAMSLANT - Chesapeake VA	NWW	4720 Douglas Munro Rd	Chesapeake	VA	23322- 2598
	SWP - Virginia	NWW - NAWAS	10501 Trade Court	Richmond	VA	23236
WA						
	SWP - Washington	NWW - NAWAS	Military Dept. Emergency Management Div.	Camp Murray, Tacoma	WA	98430- 1522
	USCG - 13th District Seattle WA - CC	NWW - NAWAS	915 2nd Avenue	Seattle	WA	98174- 1067
	FEMA MERS Ops Center -Region 10 - Bothell WA	NAWAS	200 228th St. SW	Bothell	WA	98021- 8665
	WFO - Seattle WA	AWIPS	7600 Sand Point Way NE	Seattle	WA	98115

Section 7: Message Examples

7.1 Pacific AOR Tsunami Warning/Watch/Advisory (WEPA41)

WEPA41 PAAQ 011301 TSUWCA

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS IN

ALASKA/BRITISH COLUMBIA/WASHINGTON/OREGON/CALIFORNIA

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - TSUNAMI WARNING - INITIAL

BULLETIN NUMBER 1

ISSUED 07/01/2006 AT 1301 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEPA41 MESSAGE...
- ...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE CALIFORNIA AND OREGON COASTAL AREAS FROM POINT SUR CALIFORNIA TO CASCADE HEAD OREGON...
- ...AT THIS TIME THIS MESSAGE IS ADVISORY ONLY FOR OTHER AREAS OF CALIFORNIA OREGON WASHINGTON BRITISH COLUMBIA AND ALASKA...

EVALUATION

IT IS NOT KNOWN - REPEAT NOT KNOWN - IF A TSUNAMI EXISTS BUT A TSUNAMI MAY HAVE BEEN GENERATED. THEREFORE PERSONS IN LOW LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM THEIR LOCAL EMERGENCY OFFICIALS. PERSONS ON THE BEACH SHOULD MOVE TO HIGHER GROUND IF IN A WARNED AREA. TSUNAMIS MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 7.3

TIME - 0500 ADT 07/01/2006 0600 PDT 07/01/2006

1300 UTC 07/01/2006

LOCATION - 40.2N 124.5W

45 MILES SW OF EUREKA CALIFORNIA

200 MILES NW OF SAN FRANCISCO CALIFORNIA

DEPTH - 3 MILES

PZZ255-350-353-356-450-455-550-530-535-555-ORZ002-021-022-CAZ001-002-005-007-006-075-074-009-011401-COASTAL AREAS BETWEEN AND INCLUDING POINT SUR CALIFORNIA TO CASCADE HEAD OREGON

...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE CALIFORNIA AND OREGON COASTAL AREAS FROM POINT SUR CALIFORNIA TO CASCADE HEAD OREGON...

ESTIMATED TIMES OF INITIAL WAVE ARRIVAL
CRESCENT CITY-CA 0700 PDT JUL 1 SAN FRANCISCO-CA 0722 PDT JUL 1
CHARLESTON-OR 0719 PDT JUL 1

\$\$ PKZ176-175-172-170-171-155-150-132-136-138-137-130-141-140-120-121-129-127-125-126-128-052-051-053-022-012-043-013-011-021-032-031-042-034-033-035-041-036-PZZ130-131-133-134-132-135-150-153-156-110-250-210-670-673-650-655-750-AKZ191-185-181-171-145-111-101-121-125-131-135-017-020-018-019021-022-023-024-025-026-028-029-027-WAZ001-002-005-006-007-008-009-010-011-013-014-015-016-021-ORZ001-CAZ034-035-039-040-087-041-042-043-011401-COASTAL AREAS FROM THE CALIFORNIA-MEXICO BORDER TO POINT SUR CALIFORNIA AND FROM CASCADE HEAD OREGON TO ATTU ALASKA

...TSUNAMI ADVISORY STATEMENT...

NO - REPEAT NO - TSUNAMI WATCH OR WARNING IS IN EFFECT FOR THE COASTAL AREAS FROM THE CALIFORNIA-MEXICO BORDER TO POINT SUR CALIFORNIA AND FROM CASCADE HEAD OREGON TO ATTU ALASKA

FOR INFORMATION ONLY - ESTIMATED TIMES OF INITIAL WAVE ARRIVAL SEASIDE-OR 0801 PDT JUL 1 JUNEAU-AK 1012 ADT JUL 1 SAN PEDRO-CA 0801 PDT JUL 1 SEWARD-AK 1017 ADT JUL 1 0816 PDT JUL 1 1034 ADT JUL 1 LA JOLLA-CA SAND PT.-AK 0824 PDT JUL 1 NEAH BAY-WA VALDEZ-AK 1035 ADT JUL 1 ASTORIA-OR 0830 PDT JUL 1 CORDOVA-AK 1045 ADT JUL 1 0834 PDT JUL 1 DUTCH HARBOR-AK 1049 ADT JUL 1 TOFINO-BC LANGARA-BC 0923 PDT JUL 1 ADAK-AK 1110 ADT JUL 1 0905 ADT JUL 1 COLD BAY-AK SITKA-AK 1110 ADT JUL 1 0935 ADT JUL 1 HOMER-AK 1122 ADT JUL 1 KETCHIKAN-AK YAKUTAT-AK 0955 ADT JUL 1 SHEMYA-AK 1151 ADT JUL 1 1009 ADT JUL 1 KODIAK-AK \$\$

TSUNAMI WARNINGS ARE ISSUED DUE TO THE IMMINENT THREAT OF TSUNAMI. WARNINGS CAN BE BASED SOLELY ON SEISMIC INFORMATION... OR BASED ON CONFIRMATION THAT A POTENTIALLY DESTRUCTIVE WAVE HAS OCCURRED. COASTAL RESIDENTS IN THE WARNING AREA WHO ARE NEAR THE BEACH OR IN LOW-LYING REGIONS SHOULD MOVE IMMEDIATELY INLAND TO HIGHER GROUND.

THE PACIFIC TSUNAMI WARNING CENTER AT EWA BEACH HAWAII WILL ISSUE MESSAGES FOR HAWAII AND OTHER AREAS OF THE PACIFIC OUTSIDE THE STATES AND PROVINCES LISTED ABOVE.

MESSAGES WILL BE ISSUED HALF-HOURLY OR SOONER IF CONDITIONS WARRANT. THE TSUNAMI WARNING WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION AND EXPECTED ARRIVAL TIMES.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE. \$

7.2 Pacific AOR Tsunami Information Statement (WEPA43)

WEPA43 PAAQ 011305 TIBWCA

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS IN

ALASKA/BRITISH COLUMBIA/WASHINGTON/OREGON/CALIFORNIA

- WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - TSUNAMI INFORMATION

BULLETIN NUMBER 1

ISSUED 07/01/2006 AT 1305 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEPA43 MESSAGE...
- ...THIS TSUNAMI INFORMATION STATEMENT IS FOR ALASKA/ BRITISH COLUMBIA/ WASHINGTON/ OREGON AND CALIFORNIA ONLY...

NO - REPEAT NO - WATCH OR WARNING IS IN EFFECT FOR THE STATES AND PROVINCES LISTED ABOVE.

EVALUATION

BASED ON THE DEPTH OF THE EARTHQUAKE WITHIN THE EARTH A TSUNAMI IS NOT EXPECTED ALONG THE CALIFORNIA/ OREGON/ WASHINGTON/ BRITISH COLUMBIA AND ALASKA COASTS. IN COASTAL AREAS OF INTENSE SHAKING LOCALLY GENERATED TSUNAMIS CAN BE TRIGGERED BY UNDERWATER LANDSLIDES.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 6.9

- 0500 ADT 07/01/2006

0600 PDT 07/01/2006

1300 UTC 07/01/2006

LOCATION - 22.1N 143.2E

- VOLCANO ISLANDS REGION

DEPTH - 277 MILES

THE PACIFIC TSUNAMI WARNING CENTER WILL ISSUE MESSAGES FOR HAWAII AND OTHER AREAS OF THE PACIFIC.

THIS WILL BE THE ONLY STATEMENT ISSUED FOR THIS EVENT BY THE WEST COAST AND ALASKA TSUNAMI WARNING CENTER UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.3 Alaska Information Statement (SEAK71)

SEAK71 PAAQ 011312 EOIAKX

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS IN

ALASKA/BRITISH COLUMBIA/WASHINGTON/OREGON/CALIFORNIA

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - INFORMATION STATEMENT ISSUED 07/01/2006 AT 1312 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE SEAK71 MESSAGE...
- ...THIS IS AN INFORMATION STATEMENT...

EVALUATION

AN EARTHQUAKE HAS OCCURRED WITH A MAGNITUDE SUCH THAT A TSUNAMI WILL NOT BE GENERATED. THIS WILL BE THE ONLY WC/ATWC MESSAGE ISSUED FOR THIS EVENT.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 5.2

TIME - 0500 ADT 07/01/2006 0600 PDT 07/01/2006

1300 UTC 07/01/2006

LOCATION - 57.4N 136.2W

40 MILES NW OF SITKA ALASKA 90 MILES SW OF JUNEAU ALASKA

DEPTH - 6 MILES

THE LOCATION AND MAGNITUDE ARE BASED ON PRELIMINARY INFORMATION. FURTHER INFORMATION WILL BE ISSUED BY THE UNITED STATES GEOLOGICAL SURVEY - EARTHQUAKE.USGS.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.4 U.S. West Coast Information Statement (SEUS71)

SEUS71 PAAQ 011314 EOIWOC

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS IN

ALASKA/BRITISH COLUMBIA/WASHINGTON/OREGON/CALIFORNIA

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - INFORMATION STATEMENT ISSUED 07/01/2006 AT 1314 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE SEUS71 MESSAGE...
- ...THIS IS AN INFORMATION STATEMENT...

EVALUATION

AN EARTHQUAKE HAS OCCURRED WITH A MAGNITUDE SUCH THAT A TSUNAMI IS NOT EXPECTED. IN COASTAL AREAS OF INTENSE SHAKING LOCALLY GENERATED TSUNAMIS CAN BE TRIGGERED BY UNDERWATER LANDSLIDES. THIS WILL BE THE ONLY WC/ATWC MESSAGE ISSUED FOR THIS EVENT.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 5.7

TIME - 0500 ADT 07/01/2006 0600 PDT 07/01/2006 1300 UTC 07/01/2006

LOCATION - 48.9N 126.0W

105 MILES SE OF PORT ALICE BRITISH COLUMBIA

190 MILES NW OF SEATTLE WASHINGTON

DEPTH - 6 MILES

THE LOCATION AND MAGNITUDE ARE BASED ON PRELIMINARY INFORMATION. FURTHER INFORMATION WILL BE ISSUED BY THE UNITED STATES GEOLOGICAL SURVEY - EARTHQUAKE.USGS.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.5 Atlantic AOR Tsunami Warning/Watch (WEXX20)

WEXX20 PAAQ 011320 TSUAT1

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS ALONG THE U.S.

ATLANTIC... EASTERN CANADIAN AND GULF OF MEXICO COASTS

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - TSUNAMI WARNING AND WATCH - INITIAL

BULLETIN NUMBER 1

ISSUED 07/01/2006 AT 1320 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEXX20 MESSAGE...
- ...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE GEORGIA SOUTH CAROLINA AND NORTH CAROLINA COASTAL AREAS FROM ALTAMAHA SOUND GEORGIA TO SURF CITY NORTH CAROLINA...
- ...A TSUNAMI WATCH IS IN EFFECT FOR THE FLORIDA AND GEORGIA COASTAL AREAS FROM FLAMINGO FLORIDA TO ALTAMAHA SOUND GEORGIA AND FOR THE NORTH CAROLINA VIRGINIA MARYLAND DELAWARE NEW JERSEY NEW YORK CONNECTICUT RHODE ISLAND MASSACHUSETTS NEW HAMPSHIRE MAINE NEW BRUNSWICK AND NOVA SCOTIA COASTAL AREAS FROM SURF CITY NORTH CAROLINA TO MEAT COVE NOVA SCOTIA...
- ...AT THIS TIME THIS MESSAGE IS ADVISORY ONLY FOR U.S. AND CANADIAN ATLANTIC AND GULF OF MEXICO COASTAL REGIONS NOT INCLUDED IN THE WATCH AND WARNING AREAS...

EVALUATION

IT IS NOT KNOWN - REPEAT NOT KNOWN - IF A TSUNAMI EXISTS BUT A TSUNAMI MAY HAVE BEEN GENERATED. THEREFORE PERSONS IN LOW LYING COASTAL AREAS SHOULD BE ALERT TO INSTRUCTIONS FROM THEIR LOCAL EMERGENCY OFFICIALS. PERSONS ON THE BEACH SHOULD MOVE TO HIGHER GROUND IF IN A WARNED AREA. TSUNAMIS MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 8.0

TIME - 0900 EDT 07/01/2006

0800 CDT 07/01/2006 1300 UTC 07/01/2006

LOCATION - 33.1N 78.9W

40 MILES N OF MYRTLE BEACH SOUTH CAROLINA

65 MILES NE OF CHARLESTON SOUTH CAROLINA

DEPTH - 22 MILES

AMZ330-350-352-354-250-252-254-256-GAZ141-139-117-119-SCZ051-048>050-046-034-NCZ100-101-097-011420-COASTAL AREAS BETWEEN AND INCLUDING ALTAMAHA SOUND GEORGIA TO SURF CITY NORTH CAROLINA.

...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE GEORGIA - SOUTH CAROLINA AND NORTH CAROLINA COASTAL AREAS FROM ALTAMAHA SOUND GEORGIA TO SURF CITY NORTH CAROLINA...

ESTIMATED TIMES OF INITIAL WAVE ARRIVAL

MYRTLE BCH-SC 1047 EDT JUL 1 SAVANNAH-GA 1407 EDT JUL 1

CHARLESTON-SC 1100 EDT JUL 1

\$\$

GMZ032-075-052>054-AMZ630-650-651-550-555-450-452-454-130-135-

150-152-154-156-158-ANZ630>633-650-652-654-656-658-530>534-537-430-431-450>455-330-335-338-350-353-355-230>237-250-254-255-150-050-081-FLZ073-074-072-068-076-064-059-054-047-147-141-024-025-033-038-GAZ154-166-NCZ098-095-104-103-094-080-081-045>047-030>032-015>017-102-VAZ082-089>091-093>096-098>100-084>086-074>078-MDZ021>025-014-018-017-011-007-012-015-019-008-DEZALL-NJZ005-006-011>014-024>026-NYZ071>081-CTZ009>012-RIZ002-005>007-MAZ019>024-016-007-NHZ014-MEZ022>028-029-030-011420-COASTAL AREAS FROM FLAMINGO FLORIDA TO ALTAMAHA SOUND GEORGIA AND FROM SURF CITY NORTH CAROLINA TO MEAT COVE NOVA SCOTIA.

...A TSUNAMI WATCH IS IN EFFECT FOR THE FLORIDA AND GEORGIA COASTAL AREAS FROM FLAMINGO FLORIDA TO ALTAMAHA SOUND GEORGIA AND FOR THE NORTH CAROLINA - VIRGINIA - MARYLAND - DELAWARE - NEW JERSEY - NEW YORK - CONNECTICUT - RHODE ISLAND - MASSACHUSETTS - NEW HAMPSHIRE - MAINE - NEW BRUNSWICK AND NOVA SCOTIA COASTAL AREAS FROM SURF CITY NORTH CAROLINA TO MEAT COVE NOVA SCOTIA...

ESTIMATED TIMES OF INITIAL WAVE ARRIVAL 1405 EDT JUL 1 CAPE HATTERAS-NC 1151 EDT JUL 1 LOCKEPORT-NS MIAMI-FL 1237 EDT JUL 1 NANTUCKET ISLE-MA 1408 EDT JUL 1 MELBOURNE-FL 1243 EDT JUL 1 MANHATTAN-NY 1448 EDT JUL 1 JACKSONVILLE B-FL 1301 EDT JUL 1 SCATARIE IS-NS VIRGINIA BCH-VA 1345 EDT JUL 1 GRAND MANAN-NB 1515 EDT JUL 1 1530 EDT JUL 1 1346 EDT JUL 1 PORTLAND-ME 1537 EDT JUL 1 MONTAUK-NY ATLANTIC CITY-NJ 1350 EDT JUL 1 BOSTON-MA 1609 EDT JUL 1 \$\$ GMZ130-150-155-235-230-250-255-330-335-350-355-455-450-555-550-630-655-650-750-755-830-856-853-850-657-656-ANZ081-TXZ251-256-257-242>247-236>238-213-214-215-216-LAZ051>054-066>070-040-062-064-MSZ080>082-ALZ061>064-FLZ002-004-006-008-012-014-015-027-018 - 028 - 034 - 039 - 042 - 048 > 051 - 055 - 060 - 062 - 065 - 069 - 070 - 075 - 011420 - 060 - 0COASTAL AREAS FROM BROWNSVILLE TEXAS TO FLAMINGO FLORIDA AND FROM MEAT COVE NOVA SCOTIA TO CAPE CHIDLEY LABRADOR.

- ...TSUNAMI ADVISORY STATEMENT...
- NO REPEAT NO TSUNAMI WATCH OR WARNING IS IN EFFECT FOR THE COASTAL AREAS FROM BROWNSVILLE TEXAS TO FLAMINGO FLORIDA AND FROM MEAT COVE NOVA SCOTIA TO CAPE CHIDLEY LARRADOR

FOR INFORMATION ONLY - ESTIMATED TIMES OF INITIAL WAVE ARRIVAL KEY WEST-FL 1335 EDT JUL 1 ST PETERSBURG-FL 1743 EDT JUL 1 ST LAWRENCE-NF 1525 EDT JUL 1 BILOXI-MS 1651 CDT JUL 1 PANAMA CITY-FL 1528 CDT JUL 1 BATTLE HARBOUR-NL 1759 EDT JUL 1 CORPUS CHRISTI-TX 1617 CDT JUL 1 GALVESTON-TX 1733 CDT JUL 1 BONAVISTA-NF 1720 EDT JUL 1 \$\$

TSUNAMI WARNINGS ARE ISSUED DUE TO THE IMMINENT THREAT OF TSUNAMI. WARNINGS CAN BE BASED SOLELY ON SEISMIC INFORMATION... OR BASED ON CONFIRMATION THAT A POTENTIALLY DESTRUCTIVE WAVE HAS OCCURRED. COASTAL RESIDENTS IN THE WARNING AREA WHO ARE NEAR THE BEACH OR IN LOW-LYING REGIONS SHOULD MOVE IMMEDIATELY INLAND TO HIGHER GROUND.

TSUNAMI WATCHES ARE ISSUED AS AN ADVANCE ALERT TO AREAS THAT COULD BE IMPACTED BY A TSUNAMI. THE WATCH WILL BE EITHER CANCELLED OR UPGRADED TO A WARNING. POPULATIONS IN A WATCH AREA SHOULD CLOSELY FOLLOW THE PROGRESS OF THIS EVENT.

MESSAGES WILL BE ISSUED HALF-HOURLY OR SOONER IF CONDITIONS

WARRANT. THE TSUNAMI WARNING AND WATCH WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION AND EXPECTED ARRIVAL TIMES.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE. \$\$

7.6 Atlantic AOR Tsunami Information Statement (WEXX22)

WEXX22 PAAQ 011324 TIBAT1

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS ALONG THE U.S.

ATLANTIC... EASTERN CANADIAN AND GULF OF MEXICO COASTS

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - TSUNAMI INFORMATION

BULLETIN NUMBER 1

ISSUED 07/01/2006 AT 1324 UTC

...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEXX22 MESSAGE...

...THIS TSUNAMI INFORMATION STATEMENT IS FOR THE U.S. ATLANTIC AND GULF OF MEXICO COASTS AND EASTERN CANADA...

NO - REPEAT NO - WATCH OR WARNING IS IN EFFECT FOR U.S. ATLANTIC AND GULF OF MEXICO STATES AND THE EASTERN CANADIAN PROVINCES.

EVALUATION

BASED ON EARTHQUAKE AND HISTORICAL TSUNAMI INFORMATION THE EARTHQUAKE WAS NOT SUFFICIENT TO GENERATE A TSUNAMI DAMAGING TO THE U.S. ATLANTIC... EASTERN CANADIAN OR GULF OF MEXICO COASTS. SOME OF THESE AREAS MAY EXPERIENCE SMALL SEA LEVEL CHANGES.

HOWEVER - EARTHQUAKES OF THIS SIZE SOMETIMES GENERATE TSUNAMIS THAT CAN BE DESTRUCTIVE ALONG COASTS LOCATED IN THE REGION OF THE EARTHQUAKE EPICENTER. AUTHORITIES IN THE REGION SHOULD BE AWARE OF THIS POSSIBILITY AND TAKE APPROPRIATE ACTION.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 7.1

TIME - 0900 EDT 07/01/2006

0800 CDT 07/01/2006

1300 UTC 07/01/2006

LOCATION - 17.3N 61.2W

- LEEWARD ISLANDS

DEPTH - 9 MILES

STATEMENTS WILL BE ISSUED HOURLY TO KEEP YOU INFORMED OF THE PROGRESS OF THIS EVENT. REFER TO THE INTERNET SITE WCATWC.ARH.NOAA.GOV FOR MORE INFORMATION AND ARRIVAL TIMES.

7.7 Atlantic Information Statement (SEXX60)

SEXX60 PAAQ 011317 EQIAT1

TO - TSUNAMI WARNING SYSTEM PARTICIPANTS ALONG THE U.S. ATLANTIC... EASTERN CANADIAN AND GULF OF MEXICO COASTS

FROM - WEST COAST AND ALASKA TSUNAMI WARNING CENTER/NOAA/NWS

SUBJECT - INFORMATION STATEMENT ISSUED 07/01/2006 AT 1317 UTC

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE SEXX60 MESSAGE...
- ...THIS IS AN INFORMATION STATEMENT...

EVALUATION

AN EARTHQUAKE HAS OCCURRED WITH A MAGNITUDE SUCH THAT A TSUNAMI WILL NOT BE GENERATED. THIS WILL BE THE ONLY WC/ATWC MESSAGE ISSUED FOR THIS EVENT.

PRELIMINARY EARTHQUAKE PARAMETERS

MAGNITUDE - 5.1

TIME - 0900 EDT 07/01/2006 0800 CDT 07/01/2006

1300 UTC 07/01/2006

LOCATION - 43.7N 68.7W

35 MILES SE OF ROCKLAND MAINE

75 MILES S OF BANGOR MAINE

DEPTH - 22 MILES

THE LOCATION AND MAGNITUDE ARE BASED ON PRELIMINARY INFORMATION. FURTHER INFORMATION WILL BE ISSUED BY THE UNITED STATES GEOLOGICAL SURVEY - EARTHQUAKE.USGS.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.8 Pacific AOR Public Tsunami Warning/Watch/Advisory (WEAK51)

WEAK51 PAAQ 011310 TSUAK1

BULLETIN

PUBLIC TSUNAMI MESSAGE NUMBER 1 NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK 510 AM AKDT SAT JUL 1 2006

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEAK51 MESSAGE...
- ...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE ALASKA COASTAL AREAS FROM CORDOVA ALASKA TO ATTU ALASKA...
- ...A TSUNAMI WATCH IS IN EFFECT FOR THE CALIFORNIA OREGON WASHINGTON BRITISH COLUMBIA AND ALASKA COASTAL AREAS FROM THE CALIFORNIA-MEXICO BORDER TO CORDOVA ALASKA...

A TSUNAMI WARNING MEANS... ALL COASTAL RESIDENTS IN THE WARNING AREA WHO ARE NEAR THE BEACH OR IN LOW-LYING REGIONS SHOULD MOVE IMMEDIATELY INLAND TO HIGHER GROUND AND AWAY FROM ALL HARBORS AND INLETS INCLUDING THOSE SHELTERED DIRECTLY FROM THE SEA. THOSE FEELING THE EARTH SHAKE... SEEING UNUSUAL WAVE ACTION... OR THE WATER LEVEL RISING OR RECEDING MAY HAVE ONLY A FEW MINUTES BEFORE THE TSUNAMI ARRIVAL AND SHOULD EVACUATE IMMEDIATELY. HOMES AND SMALL BUILDINGS ARE NOT DESIGNED TO WITHSTAND TSUNAMI IMPACTS. DO NOT STAY IN THESE STRUCTURES.

ALL RESIDENTS WITHIN THE WARNED AREA SHOULD BE ALERT FOR INSTRUCTIONS BROADCAST FROM THEIR LOCAL CIVIL AUTHORITIES. THIS TSUNAMI WARNING IS BASED SOLELY ON EARTHQUAKE INFORMATION - THE TSUNAMI HAS NOT YET BEEN CONFIRMED.

A TSUNAMI WATCH MEANS... ALL COASTAL RESIDENTS IN THE WATCH AREA SHOULD PREPARE FOR POSSIBLE EVACUATION. A TSUNAMI WATCH IS ISSUED TO AREAS WHICH WILL NOT BE IMPACTED BY THE TSUNAMI FOR AT LEAST THREE HOURS. WATCH AREAS WILL EITHER BE UPGRADED TO WARNING STATUS OR CANCELED.

AT 500 AM ALASKAN DAYLIGHT TIME ON JULY 1 AN EARTHQUAKE WITH PRELIMINARY MAGNITUDE 7.9 OCCURRED 70 MILES SOUTHEAST OF NIKOLSKI ALASKA.

THIS EARTHQUAKE MAY HAVE GENERATED A TSUNAMI. IF A TSUNAMI HAS BEEN GENERATED THE WAVES WILL FIRST REACH NIKOLSKI ALASKA AT 540 AM ADT ON JULY 1.

ESTIMATED TSUNAMI ARRIVAL TIMES AND MAPS ALONG WITH SAFETY RULES AND OTHER INFORMATION CAN BE FOUND ON THE WEB SITE WCATWC.ARH.NOAA.GOV.

TSUNAMIS CAN BE DANGEROUS WAVES THAT ARE NOT SURVIVABLE. WAVE HEIGHTS ARE AMPLIFIED BY IRREGULAR SHORELINE AND ARE DIFFICULT TO PREDICT. TSUNAMIS OFTEN APPEAR AS A STRONG SURGE AND MAY BE PRECEDED BY A RECEDING WATER LEVEL. MARINERS IN WATER DEEPER THAN 600 FEET SHOULD NOT BE AFFECTED BY A TSUNAMI. WAVE HEIGHTS WILL INCREASE RAPIDLY AS WATER SHALLOWS. TSUNAMIS ARE A SERIES OF OCEAN WAVES WHICH CAN BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL. DO NOT RETURN TO EVACUATED AREAS UNTIL AN ALL CLEAR IS GIVEN BY LOCAL CIVIL AUTHORITIES.

THE PACIFIC TSUNAMI WARNING CENTER WILL ISSUE MESSAGES FOR HAWAII AND OTHER AREAS OF THE PACIFIC OUTSIDE CALIFORNIA/OREGON/ WASHINGTON/ BRITISH COLUMBIA AND ALASKA.

ADDITIONAL MESSAGES WILL BE ISSUED HALF-HOURLY OR SOONER IF CONDITIONS WARRANT. THE TSUNAMI WARNING AND WATCH WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. FOR FURTHER INFORMATION STAY TUNED TO NOAA WEATHER RADIO... YOUR LOCAL TV OR RADIO STATIONS... OR SEE THE WEB SITE WCATWC.ARH.NOAA.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE. \$\$

7.9 Pacific AOR Public Tsunami Information Statement (WEAK53)

WEAK53 PAAQ 011308 TIBAK1

PUBLIC TSUNAMI INFORMATION STATEMENT NUMBER 1 NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK 608 AM PDT SAT JUL 1 2006

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEAK53 MESSAGE...
- ...A STRONG EARTHQUAKE HAS OCCURRED BUT A TSUNAMI IS NOT EXPECTED ALONG THE CALIFORNIA/ OREGON/ WASHINGTON/ BRITISH COLUMBIA OR ALASKA COASTS...
- NO REPEAT NO TSUNAMI WARNING OR WATCH IS IN EFFECT FOR THESE AREAS.

BASED ON THE EARTHQUAKE MAGNITUDE AND HISTORIC TSUNAMI INFORMATION A DAMAGING TSUNAMI IS NOT EXPECTED ALONG THE CALIFORNIA/ OREGON/ WASHINGTON/ BRITISH COLUMBIA AND ALASKA COASTS. AT COASTAL LOCATIONS WHICH HAVE EXPERIENCED STRONG GROUND SHAKING LOCAL TSUNAMIS ARE POSSIBLE DUE TO UNDERWATER LANDSLIDES.

AT 600 AM PACIFIC DAYLIGHT TIME ON JULY 1 AN EARTHQUAKE WITH PRELIMINARY MAGNITUDE 7.2 OCCURRED 300 MILES SOUTHWEST OF BERING I. KOMANDORSKI.

THE PACIFIC TSUNAMI WARNING CENTER WILL ISSUE MESSAGES FOR HAWAII AND OTHER AREAS OF THE PACIFIC OUTSIDE CALIFORNIA/OREGON/ WASHINGTON/ BRITISH COLUMBIA AND ALASKA.

THIS WILL BE THE ONLY STATEMENT ISSUED FOR THIS EVENT BY THE WEST COAST AND ALASKA TSUNAMI WARNING CENTER UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE. SEE THE WEB SITE WCATWC.ARH.NOAA.GOV FOR BASIC TSUNAMI INFORMATION - SAFETY RULES AND TSUNAMI TRAVEL TIMES.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.10 Atlantic AOR Public Tsunami Warning/Watch/Advisory (WEXX30)

WEXX30 PAAQ 011322 TSUATE

BULLETIN

PUBLIC TSUNAMI MESSAGE NUMBER 1 NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK 922 AM EDT SAT JUL 1 2006

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEXX30 MESSAGE...
- ...A TSUNAMI WARNING IS IN EFFECT WHICH INCLUDES THE NEW JERSEY NEW YORK CONNECTICUT RHODE ISLAND MASSACHUSETTS NEW HAMPSHIRE MAINE NEW BRUNSWICK AND NOVA SCOTIA COASTAL AREAS FROM SANDY HOOK NEW JERSEY TO CHEZZETCOOK NOVA SCOTIA...

A TSUNAMI WARNING MEANS... ALL COASTAL RESIDENTS IN THE WARNING AREA WHO ARE NEAR THE BEACH OR IN LOW-LYING REGIONS SHOULD MOVE IMMEDIATELY INLAND TO HIGHER GROUND AND AWAY FROM ALL HARBORS AND INLETS INCLUDING THOSE SHELTERED DIRECTLY FROM THE SEA. THOSE FEELING THE EARTH SHAKE... SEEING UNUSUAL WAVE ACTION... OR THE WATER LEVEL RISING OR RECEDING MAY HAVE ONLY A FEW MINUTES BEFORE THE TSUNAMI ARRIVAL AND SHOULD EVACUATE IMMEDIATELY. HOMES AND SMALL BUILDINGS ARE NOT DESIGNED TO WITHSTAND TSUNAMI IMPACTS. DO NOT STAY IN THESE STRUCTURES.

ALL RESIDENTS WITHIN THE WARNED AREA SHOULD BE ALERT FOR INSTRUCTIONS BROADCAST FROM THEIR LOCAL CIVIL AUTHORITIES. THIS TSUNAMI WARNING IS BASED SOLELY ON EARTHQUAKE INFORMATION - THE TSUNAMI HAS NOT YET BEEN CONFIRMED.

AT 900 AM EASTERN DAYLIGHT TIME ON JULY 1 AN EARTHQUAKE WITH PRELIMINARY MAGNITUDE 6.8 OCCURRED 75 MILES SOUTHEAST OF PORTLAND MAINE.

THIS EARTHQUAKE MAY HAVE GENERATED A TSUNAMI. IF A TSUNAMI HAS BEEN GENERATED THE WAVES WILL FIRST REACH MERRIMACK RIVER MASSACUSETTS AT 937 AM EDT ON JULY 1. ESTIMATED TSUNAMI ARRIVAL TIMES AND MAPS ALONG WITH SAFETY RULES AND OTHER INFORMATION CAN BE FOUND ON THE WEB SITE WCATWC.ARH.NOAA.GOV.

TSUNAMIS CAN BE DANGEROUS WAVES THAT ARE NOT SURVIVABLE. WAVE HEIGHTS ARE AMPLIFIED BY IRREGULAR SHORELINE AND ARE DIFFICULT TO PREDICT. TSUNAMIS OFTEN APPEAR AS A STRONG SURGE AND MAY BE PRECEDED BY A RECEDING WATER LEVEL. MARINERS IN WATER DEEPER THAN 600 FEET SHOULD NOT BE AFFECTED BY A TSUNAMI. WAVE HEIGHTS WILL INCREASE RAPIDLY AS WATER SHALLOWS. TSUNAMIS ARE A SERIES OF OCEAN WAVES WHICH CAN BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL. DO NOT RETURN TO EVACUATED AREAS UNTIL AN ALL CLEAR IS GIVEN BY LOCAL CIVIL AUTHORITIES.

ADDITIONAL MESSAGES WILL BE ISSUED HALF-HOURLY OR SOONER IF CONDITIONS WARRANT. THE TSUNAMI WARNING WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE. FOR FURTHER INFORMATION STAY TUNED TO NOAA WEATHER RADIO... YOUR LOCAL TV OR RADIO STATIONS... OR SEE THE WEB SITE WCATWC.ARH.NOAA.GOV.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.

7.11 Atlantic AOR Public Tsunami Information Statement (WEXX32)

WEXX32 PAAQ 011327 TIBATE

PUBLIC TSUNAMI INFORMATION STATEMENT NUMBER 1 NWS WEST COAST/ALASKA TSUNAMI WARNING CENTER PALMER AK 927 AM EDT SAT JUL 1 2006

- ...THIS MESSAGE IS FOR TEST PURPOSES TO SHOW AN EXAMPLE WEXX32 MESSAGE...
- ...A STRONG EARTHQUAKE HAS OCCURRED BUT A TSUNAMI IS NOT EXPECTED ALONG THE COASTS OF U.S. ATLANTIC AND GULF OF MEXICO STATES AND EASTERN CANADIAN PROVINCES...
- NO REPEAT NO TSUNAMI WARNING OR WATCH IS IN EFFECT FOR THESE AREAS.

BASED ON THE EARTHQUAKE LOCATION AND MAGNITUDE A WIDESPREAD DAMAGING TSUNAMI IS NOT EXPECTED ALONG THE U.S. ATLANTIC... EASTERN CANADIAN AND GULF OF MEXICO COASTS. SOME OF THESE AREAS MAY EXPERIENCE NON-DAMAGING SEA LEVEL CHANGES. AT COASTAL LOCATIONS WHICH HAVE EXPERIENCED STRONG GROUND SHAKING LOCAL TSUNAMIS ARE POSSIBLE DUE TO UNDERWATER LANDSLIDES.

AT 900 AM EASTERN DAYLIGHT TIME ON JULY 1 AN EARTHQUAKE WITH PRELIMINARY MAGNITUDE 6.6 OCCURRED 180 MILES NORTH OF CHARLOTTETOWN P E I.

THIS WILL BE THE ONLY STATEMENT ISSUED FOR THIS EVENT BY THE WEST COAST AND ALASKA TSUNAMI WARNING CENTER UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE. SEE THE WEB SITE WCATWC.ARH.NOAA.GOV FOR BASIC TSUNAMI INFORMATION - SAFETY RULES AND TSUNAMI TRAVEL TIMES.

THIS IS A TEST MESSAGE. DO NOT TAKE ACION BASED ON THIS TEST MESSAGE.